

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A system for bypassing an aneurysm comprising a first prosthesis and at least one bypass prosthesis in fluid communication ~~communicating~~ with the first prosthesis, ~~said the~~ first prosthesis comprising a stent structure including a proximal end section configured to engage a healthy ~~an unsuitable~~ section of artery above a branch artery upstream of an aneurysm, a distal section, and an intermediate section disposed between the proximal and distal sections, the proximal section comprising a substantially diamond like lattice configuration, the distal section comprising a substantially diamond like lattice configuration and a plurality of longitudinally extending legs, the intermediate section comprising a plurality of struts extending substantially orthogonal between the proximal and distal sections and configured to allow blood flow through the branch artery, the proximal end of said first prosthesis including a first matrix comprising distally extending struts, said first prosthesis further comprising at least one second matrix of struts positioned distally from said first matrix, said at least one second matrix the distal section being configured to receive the at least one bypass prosthesis.

Claim 2 (Cancelled): ~~The system of claim 1 wherein the first prosthesis comprises a stent and a graft material communicating with the stent.~~

Claim 3 (Cancelled)

Claim 4 (Cancelled): ~~The system of claim 1 wherein the struts form at least one geometric shape.~~

Claims 5-6 (Cancelled)

Claim 7 (Currently Amended): The system of claim 1 wherein a proximal portion of the distal section ~~said second matrix~~ is configured to receive a proximal portion of ~~said the~~ at least one bypass prosthesis.

Claim 8 (Currently Amended): The system of claim 1 wherein the distal section ~~said second matrix~~ is configured to receive two bypass prostheses.

Claim 9 (Cancelled): ~~The system of claim 1 wherein the first matrix further comprises a distal portion configured to bridge a section of the artery unsuitable for anchoring the prosthesis.~~

Claims 10-28 (Cancelled)

Claim 29 (Withdrawn): A system for bypassing an aneurysm comprising a first prosthesis and at least one bypass prosthesis communicating with the first prosthesis, said first prosthesis comprising a stent including a first matrix and a second matrix and a plurality of longitudinally extending struts connecting the first matrix to the second matrix, the plurality of struts include an intermediate section in which the struts are in close proximity to one another.

Claim 30 (Withdrawn): The system of claim 29 further comprising a graft material configured to engage the second matrix.

Claim 31 (Withdrawn): The system of claim 29 wherein the intermediate section comprises a joint.

Claim 32 (Withdrawn): The system of claim 29 wherein the intermediate section comprises a hinge.

Claim 33 (Withdrawn): The system of claim 29 wherein the intermediate section comprises an axis.

Serial No.10/041,116

Claim 34 (Withdrawn): The system of claim 29 wherein the intermediate section comprises a hub.

Claim 35 (Withdrawn): The system of claim 29 wherein the intermediate section is configured to allow the first prosthesis to bend.

Claim 36 (Withdrawn): The system of claim 29 wherein the intermediate section is configured into an angle.

Claim 37 (Withdrawn): The system of claim 36 wherein the angle is greater than about forty-five degrees.